

DuPont grants MIT \$33,000 for advanced graduate research

MIT has been awarded a total of \$33,000 by the duPont Company for the advancement of research and graduate study in several fields.

The awards will go to advanced graduate students who are interested in teaching chemistry, chemical engineering, physics, or mechanical engineering on the college level. Award recipients will receive a grant of \$1,500 with an additional \$1,500 award to go to

their respective departments. Each department may use the grant to support any work of its choosing.

The awards are a part of the duPont Company's annual program of aid to education. DuPont has awarded a total of \$2,100,000 to 214 colleges and universities for the advancement of research and teaching on the college level. Grants specifically for teaching totaled \$825,000 in 1967.

Compton lecture

Chilean president to speak here

President Eduardo Frei Montalva of the Republic of Chile has been selected to give Karl Taylor Compton Lecture Friday, Feb. 3. The Changing Balance Between Economic Development and Social Progress is the title of President Frei's lecture, which will be presented at 8:30 p.m. in Kresge Auditorium.

Problems of South America
Among the problems to be dis-

cussed by President Frei are the problems of South America — specifically the problem of Chile of achieving rapid economic growth without imbalancing the social structure or weakening Chile's strong democratic tradition.

President Frei's stay in the United States includes two days in Washington, where he will confer with President Lyndon B. Johnson. On the afternoon of his lectures, he will be the guest of President Nathan M. Pusey of Harvard and President Howard Johnson.

President Frei, who was elected in 1964 by the largest majority ever received by a Chilean presidential candidate, represents the first Christian Democratic government in Latin America.

'Revolution of Freedom'

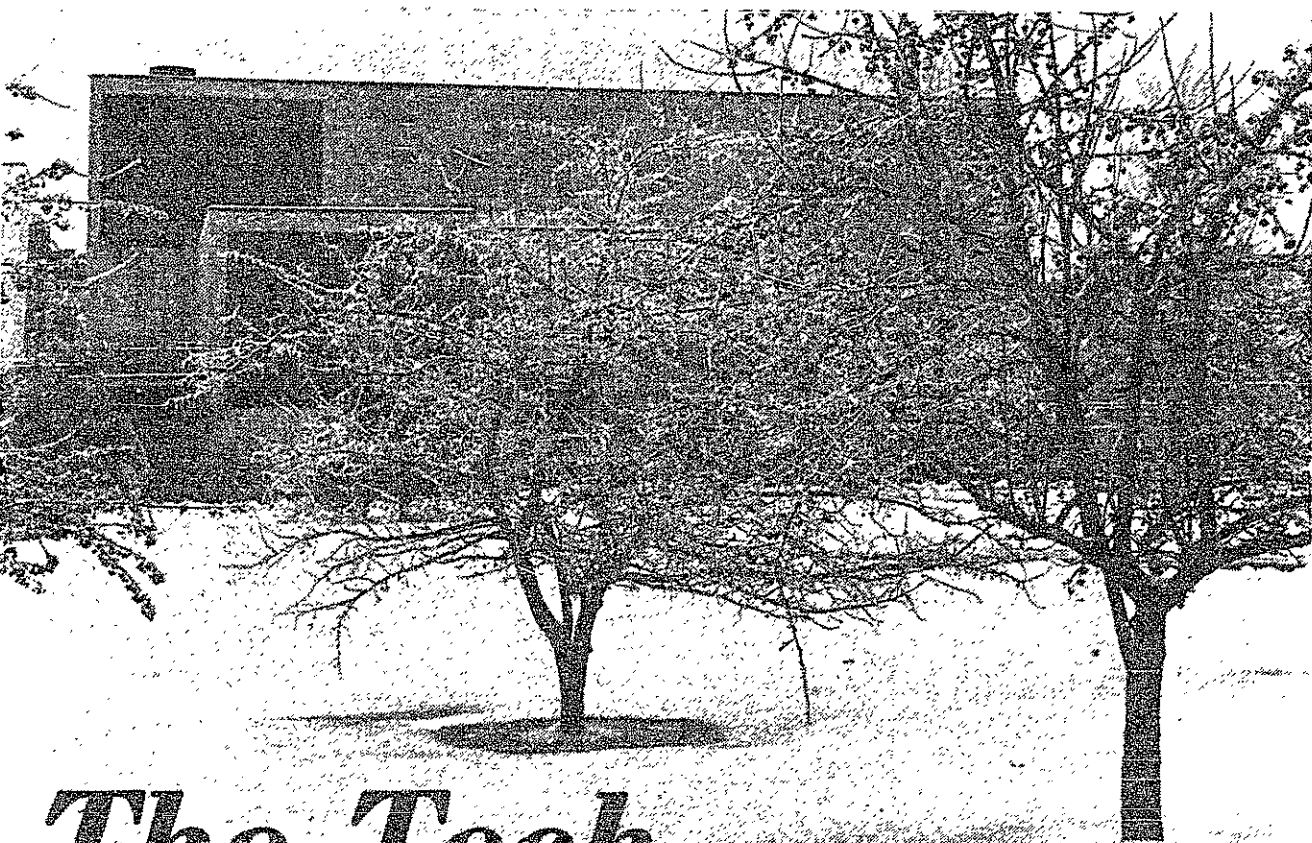
Born in 1911, he began his political career as a student leader. After newspaper and educational work, he returned to active political life to become one of the founders of the Christian Democratic Party. Moving up the po-

litical ladder, his "revolution of freedom," which promised rapid economic and social change without loss of democratic liberties, was the platform which led to his presidential victory.

Memorial to Compton

President Frei will be the first non-scientist to hold the Compton Lectureship, which was established as a memorial to Dr. Karl Taylor Compton, former President of MIT and Chairman of the Corporation. Other Compton Lecturers have been Dr. Niels Bohr, Danish physicist; Dr. Otto Struve, American astronomer; Dr. Andrew Lwoff, French biologist, and Dr. I. I. Rabi, American physicist.

The members of the sponsoring committee for President Frei's lecture are: Dr. Paul N. Rosenstein-Rodan, professor of economics, chairman; Dr. Max F. Millikan, director of the Center for International Studies; Frederick J. McGarry, professor of civil engineering; Michael Telson '67; and James Tsang '67.



The Tech

Vol. 86, No. 56

Cambridge, Massachusetts, Friday, January 13, 1967

Five Cents

Faculty spotlight

Inventor Dahl studies fatigue

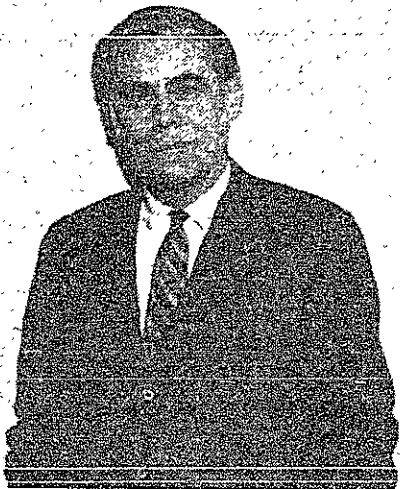


Photo by Lew Golovin
Prof. Norman C. Dahl

By Dave Kaye

The interests of Dr. Norman C. Dahl range far and wide—from the Indian educational system, to the fatigue of bolts, to disciplinary problems at MIT.

As professor of mechanical engineering, specializing in mechanical structural design, Dr. Dahl is currently investigating the incredibly ancient invention of nuts and bolts. Endeavoring to invent a system of altering the nut which will increase the fatigue strength of the attached bolt, he has thus far developed one system which increases that strength about 30%. He is also studying thin shell structures (such as those used in fuel control mechanisms in jet engines) in order to discover means of reducing the stress concentration in these structures.

Shoe tree inventor

Inventor of the first shoe tree for ski boots to be marketed, Dr. Dahl has been awarded several other patents, involving such devices as an unbonded electrical strain gage, an automatic telephone timer, and a cartridge-loading, variable-speed motion picture projector. The last, which he developed in conjunction with Dr. Lenard Katz, he characterizes as "interesting, but too Rube Goldberg."

In addition to his work as an inventor and mechanical engineer,

Dr. Dahl has been actively involved in technological education in foreign nations. For example, he is expecting to go to Paris in a few weeks to attend a meeting of a UNESCO planning committee for a conference on world technical education. In 1962 he traveled to India to spend two years as the first leader of a program supported by AID to assist the Indian government in the development of the Indian Institute of Technology at Kanpur. Co-author of a report that was instrumental in developing the Faculty of Engineering at Kabul University, Afghanistan, he also spent some time during the summer of 1966 in Saudi Arabia, advising on the engineering program at the College of Petroleum and Minerals.

Traveled to Russia

In December, 1965, he was a member of a team that went to Russia to study technical education for the US Office of Education. He comments that their system is obviously more centralized and less flexible than its American counterpart and wonders if, as their society becomes increasingly complex, this sort of planning will be as effective as it has been.

Born in Seattle, Dr. Dahl received the BS degree in Civil Engineering in 1941 at the University of Washington, where he was also elected president of the Student Body. Before obtaining his Doctor of Science degree in Mechanical Engineering at MIT in 1952, he was awarded the War and Navy Departments' joint certificate for outstanding contributions to research during World War II.

Having been a member of the MIT faculty since 1948, Professor Dahl presently teaches the courses "Mechanics of Solids" (2.012) and "Advanced Mechanics" (2.083). He is chairman of the Faculty Committee on Discipline. The committee handles about a dozen cases each year which are referred to it by the Dean's Office

or by the undergraduate judicial system.

Teaching committee

Recently, Professor Dahl has been given the responsibility of forming and leading a subcommittee on teaching of the Faculty Committee on Educational Policy. He declares that "By and large, there is no doubt in my mind that there is a lot of pride and a lot of effort to do good teaching" here at MIT. He sees the function of the committee as the exploration of "ways in which the faculty can be assisted in improving techniques of teaching and developing new techniques." The committee is almost completely formed and will be operative in the near future.

Woods Hole, MIT plan joint oceanography degree

A new joint program for graduate students in oceanography is being planned by MIT and the Woods Hole Oceanographic Institution in Woods Hole, Massachusetts.

It would offer students both the academic resources and laboratories of MIT and the oceanographic research facilities and staff of Woods Hole. Doctoral degrees would be awarded by both institutions jointly.

Commencement of the program awaits the approval of the Massachusetts Board on Higher Education to allow Woods Hole to grant degrees, and also by the Massachusetts Legislature, to allow MIT, as a land grant college to grant joint degrees.

Research facilities

Woods Hole has four ocean-going research vessels, two special aircraft, and its own two-man, deep-diving submarine capable of operating at depths down to 6,000 feet. More than 500 professional oceanographers and sup-

porting personnel staff the Institution year-round.

MIT currently has four full-time and six part-time oceanographers. Approximately fifty graduate students are now studying for advanced degrees in oceanography in MIT's two earth science departments, the Department of Meteorology and the Department of Geology and Geophysics. Both departments are associated with MIT's interdisciplinary Center for the Earth Sciences.

Marine research organization

Both MIT and Woods Hole are charter members of the Massachusetts Association for the Marine Sciences, an eleven-member consortium of universities and marine research organizations formed last April. One of the functions of the association is to aid in the development and sharing of specialized facilities and in the establishment of such joint programs as that of Woods Hole and MIT.

Discusses student protest

Shapiro talks on activism at Tuesday Viewpoint forum

By Paul Johnston

Professor A. H. Shapiro, Head of the MIT Mechanical Engineering Department, spoke on Student Activism in Politics in the USA: What it Is—What it Should Be at a meeting of Viewpoint, held Tuesday, January 10, in the Student Center.

Professor Shapiro based his remarks on the premise that Democratic forms of Government are good, and that "political activism," meaning responsible participation of individuals in government, is also good.

The Role of Activism

Turning to the role of the individual, Dr. Shapiro commented that responsibility makes it possible for our government, a "loose arrangement by agreement," to exist. He said that there are two ways in which activism, especially student activism, can play a part. The first of these is protest, an attempt to get action by organized demonstration; the second is through political parties. As a member of a political party individuals should be "informed, alert, and intelligent," because, Professor Shapiro said,

"the more informed they are, the more wisdom there is in their collective vote."

Discusses Protests

Protest activities, on the other hand, are not aimed to work with party or candidate, but rather are an attempt to make an issue public, and the subject of discussion by demonstrations. Such demonstrations, he said, are an intrinsic part of our society, and as such are protected by the Bill of Rights.

Professor Shapiro feels, however, that sit-ins, and similar types of demonstrations, go beyond those rights which are protected, and in fact break the law because their show of force interferes with the ordinary affairs of life. They are calculated to bring issues into the open with the use of nuisance techniques, as the sit-ins at Berkeley were calculated to interfere with the administration of the school.

Wants Solutions

Professor Shapiro said that protests of a purely negative nature are an ailment of our society. He feels that the Berkeley protestors would have intended things to protest if they did not have the things which they do have and this is bad. He feels that it is good for students to be able to be critics of society, but he also wants them to suggest constructive solutions, and to make themselves available to help work out those solutions. In that way, he suggested, a better government could be brought about.

Debate team captures 1st, 2nd positions in 2 vacation tournaments

The MIT debate team competed successfully in two tours during the Christmas vacation. In the Redlands Tournament, the debaters defeated last year's national champion, Northwestern, in the final round to win the tournament.

In the Sanford tour, the debaters placed second among 40 schools with victories over such colleges as Berkeley, and Loyola, before losing the final to the University of Miami. As a result of their fine showing in these tournaments, MIT is now rated as one of the top five teams in the country.



Dear Mr. Galvin:

There are several points in your replies to my first letter which I feel deserve further examination.

Writing about the attitude that business does not recognize the ability of young men, you said that, in any field of endeavor, a young man begins a career . . . "not by immediately taking a command position, but by involving himself in a period of learning, exposure, training." You asked, "Why should such a 'learning' process be frowned on in business?" This is exactly my question to you. You say there are corporations which are both interested in attracting talented youth and alert to the abilities of their young executives. If this is so, why are there so few management training programs open to students contemplating entering business?

Let me expand upon your analogy of the "recently graduated lawyer or doctor." You stated that the young lawyer may spend the first few years after graduation doing research in the law firm's library. Today, however, many progressive firms recognize this practice as a waste of time and talent and have programs whereby law students act as clerks performing this basic library research during the summers between academic sessions. Through these summer programs, the law student acquires more readily the practical experience which he needs to become a valued and productive member of a law firm.

You mentioned the aspirant doctor who must undergo periods as an intern and resident before he can venture into private practice. I would like to

JAMES HILL ASKS BUSINESS:

- ☐ Why are there so few management training programs open to students?
- ☐ What do you really do to encourage individual creativity?
- ☐ Does the employee become less meaningful as corporations get larger?

point out, though, that this is comparable to the law student who clerks for a judge or a firm during the summer. In both instances, the student working toward his professional degree acquires the necessary practical experience prior to his formally entering the profession.

Business is becoming more professionalized; however, unlike other professions such as law or medicine, business seems to turn its back upon the student who will soon be graduated as a practitioner. Few corporations seem concerned about affording either undergraduates or graduate students with the opportunity of gaining the necessary practical experience prior to their graduation.

Business demands as much practical experience for success as does any profession, yet it apparently provides the least opportunity for obtaining this experience. The existence of training programs both before and after graduation is as much a manifestation of corporate interest in the ability and desirability of youth as are campus recruiting programs and corporate promotional practices. If business is truly interested in attracting bright young men and is capable of recognizing and rewarding their abilities, why then does it not provide programs which assist the student in obtaining both a general business orientation and an idea of where his specific business talents reside?

You say business demands a team effort. My point was not that business should consist of a group of highly autonomous individuals who would rationalize their disorganization on the grounds that autonomy breeds creativity. I was merely voicing a sentiment common among students who have reservations about business as a career. The goal of a college education is to impart a sense of individuality and creativity. The student does not want to enter a career which seems to represent the antithesis of his acquired values. Consequently, even though you say that business does not stifle personal identity and originality, the more interesting question to the student is "What does business actively do to encourage individual, creative action?"

I would like to bring up the issue which many students feel is one of the most outstanding questions of morality facing this generation. They look at today's largest corporations and note both their size and their diversity. A single corporation can be involved actively in such apparently heterogeneous activities as basic research, the manufacture and

marketing of consumer products, and the development and production of defense armaments. Large firms are growing even larger through the acquisition of smaller, related firms. Students conclude that as a corporation grows larger and more diverse, the average employee of such an organization is involuntarily becoming a less meaningful individual.

This attitude is closely related to the view that business is generally regarded with disdain by the intellectually elite. Perhaps it is this question of morality which accounts for the apparent disenchantment voiced by certain influential sectors of our society. Many students do not feel that they can choose an administrative career in a business community which tacitly coerces its employees to accept jobs which erode their individual importance or which require that they participate in activities - antithetical to their personal values and well-being (e.g. arms production, the creation of false consumer demand, planned obsolescence, etc.).

There were two attitudes noted in my previous letter to which you did not reply. First, many students hesitate to choose a career in business because of the apparent difficulty in predicting one's probable success. Secondly, business is viewed as having neither the employment security nor the latitude of occupational mobility inherent to other professions.

These, then, are the issues as I interpret them. Once again I look forward to your views on these attitudes.

—James T. Hill

JUST WHO IS JAMES HILL?

Mr. Hill is a Harvard senior who has been exchanging questions, answers, and opinions about business with Robert W. Galvin, Motorola Chairman, since last fall. Dialogues like this one appear in 28 other college newspapers. They will continue as long as there are points to be aired. Mr. Galvin will speak to the points raised today by Mr. Hill in subsequent issues of this paper.

If you have a viewpoint which has not yet been discussed in this dialogue about business as a career or as a factor in society, write about it to Mr. Galvin at Motorola Inc., 9401 West Grand Avenue, Franklin Park, Illinois 60131.

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theatres...

Noted actors perform in Kresge

By Leonard Schrank
Sir John Gielgud and Miss Irene Worth will present 'Men and Women of Shakespeare' in Kresge Auditorium Tuesday, 8:30

p.m. The program, which is divided into two parts, pastoral-comical and historical-tragical, will contain scenes from Midsummer Night's Dream, Richard II, Romeo and Juliet, and other works.

Sir John, known in England as the Best interpreter of Shakespearean verse in the history of the British Theatre, has most recently played before Broadway audiences the title roles in Chekhov's

Ivanov and Albee's 'Tiny Alice,' and has directed Richard Burton in 1964 production of 'Hamlet.'

Irene Worth is considered "one of the most accomplished and versatile actresses of the British Theatre." She has appeared in many classical and modern works and is well remembered for her magnificent portrayal of Dr. Van Zand in Duerrematt's, 'The Physicists,' which was voted the Best Foreign Play of the season.

The Department of Humanities, in cooperation with the LSC, is sponsoring the event at a reduced rate of \$2 per seat. Tickets are still available in the lobby of building 10 or by calling x2910.

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| Gujarat State Fertilizer Corp. | Gujarat, India | Phosphoric Acid Ammonium Sulfate Ammonium Sulfate Phosphate |
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| Canadian Industries Ltd. | Ontario, Canada | Nitric Acid Amm. Nitrate Nitrogen Solut. |
| American Cyanamid | Hannibal, Mo. | Nitric Acid Ammonium Nitrate |
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| Texas Gulf Sulphur Co. | North Carolina | Sulfuric Acid Plant |
| Taiwan Fertilizer Co. | Taiwan | Ammonia Synthesis Gas Preparation Pft. |
| Borden Chem. Co. | Geismar, La. | Methanol |
| Valley Nitrogen Producers | El Centro, Calif. | Urea Nitric Acid Ammonium Nitrate Solutions |
| Bunker Hill Co. | Kellogg, Idaho | Sulfuric Acid |

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| Tenneco Manufacturing Co. | Pasadena, Texas | Methanol |
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Campus Interviews

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THE TECH

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It's been fun

This issue brings the formal efforts of the staff of Volume 86 of The Tech to a close. We hope those efforts have resulted in a newspaper which has been useful and informative.

We have successfully published two editions a week for more than a full academic year. This encourages us in the hope that resumption of three editions per week may be feasible in the not so distant future. Daily publication remains our goal; The Tech was once a daily — 1909 to 1914.

The staff who have written Volume 86 is listed at the left; we are proud to have worked with them. The Board of Directors for Volume 87 will be elected shortly; they will serve you well.

Publishing a college newspaper isn't the way to get rich, but it's been fun.

SCEP Forum

Caltech pass-fail discussed

By Mark Spitzer

The following information was taken from a statement prepared by Foster Strong, Dean of Freshmen and Associate Professor of Physics at the California Institute of Technology.

Caltech initiated an experiment with Pass-Fail grading for Freshmen in the fall of 1964. The experiment was to last for two years, during which time all Freshman courses would be graded Pass or Fail. The purpose of the experiment was to attempt "... to reduce the competitive aspect of student academic life and to encourage the new student to experiment with pace and depth and emphasis.

Encourage attitudes

It was hoped that this would encourage the development of an attitude in which a student sees himself as a self-guide scholar rather than as a competing grade-getter, and the development of a more personal attitude toward study, one that will stay with the student in later years." While "... the 'Pass' or 'Fail' grade refers only to the final grade in a course ..." homework is "... assigned and evaluated, tests and examinations are given as before ..." and are graded numerically. "The students are told in clear terms that this grading is for their use as information and for self-evaluation."

Results of test

The following are some of the results of the program as reported by the committee on Freshman Year.

"A large majority of both freshmen and sophomores believed Pass-Fail had made their adjustment to Caltech much easier than they had anticipated."

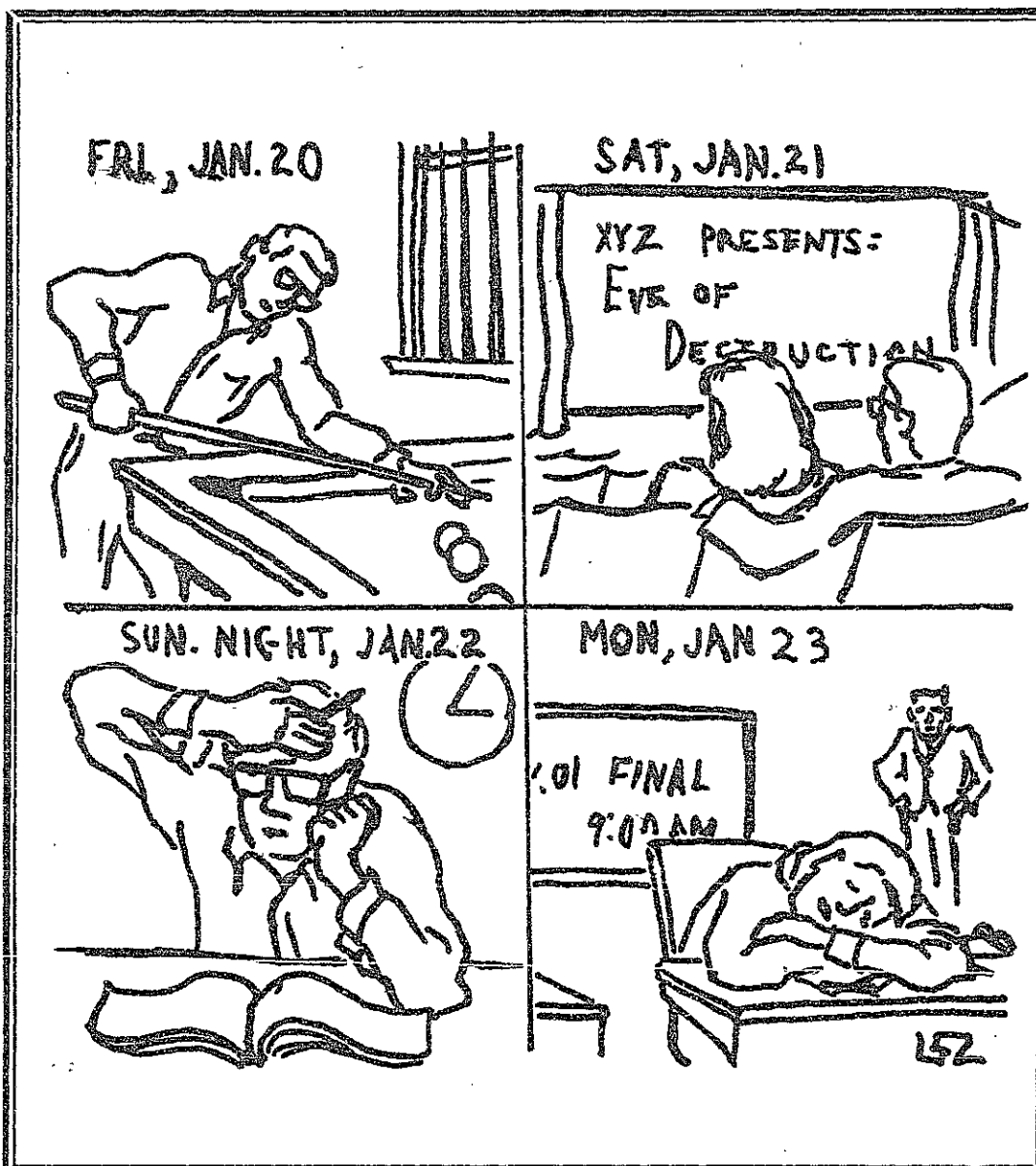
"The sophomore performance of the first Pass-Fail class of freshmen was better than that of previous sophomore classes. ..."

The faculty reported that there "... was a significantly improved attitude toward learning for reasons other than grades. This same improvement carried over into the sophomore year."

Reduced pressures

"Almost all the freshmen said Pass-Fail significantly reduced competitive pressures among them." A number of freshmen neglected laboratory work and gave little attention to the conceptual aspects of the required calculus course. These courses are now being examined in regards to the quality and quantity of their curriculum.

After two years, a large majority of the undergraduates and faculty were in favor of Pass-Fail. "In May 1966, a faculty vote, unanimous less one, confirmed Pass-Fail for freshmen as a permanent policy."



Letters to The Tech

Cockroaches

To the Editor:

Since KRW (Kenneth R. Wadleigh, Dean of Student Affairs) was kind enough to reprint some of our Dorm Regs on his latest letter, I looked at some of them. I cheerfully noticed the section concerning pets — insects are not forbidden as pets. This is fortunate for those of us in East Campus would have a difficult time giving up our pet cockroaches.

Tim Gill '67

No trip

To the Editor:

This is just to clear up any controversy which may have evolved concerning the article which appeared in last Tuesday's paper under the heading 'Tech Show '67 to Tour Abroad.'

The article was written with a tongue in both cheeks, but due to the layout of the paper, it appeared to be a serious news item. It was not. The members of the cast of "Lucky William" do not plan to tour the fictitious

kingdom of Malamundo to entertain the troops, for there are no troops in Malamundo. Indeed, there is no Malamundo. Those cast members who misinterpreted the article are urged to unpack their bags.

Dave Espar '67
General Manager
Tech Show '67

Testing pass-fail

To the Editor:

The recent editorial on the experimental pass-fail system being offered on a senior-only basis was excellent as far as it went but I feel that it left one basic question unasked. Since the program is termed experimental, it appears that it is being used as a test to determine if a more complete pass-fail system would be feasible. However, the Committee on Educational Policy should be aware that many people do not believe that this will be a true test of the worth of pass-fail at MIT. It appears likely that an unfavorable reaction may arise for several reasons:

(1) The tremendous work load at MIT may force students to neglect their pass-fail courses because this is the one subject which will not affect their cum. A practical example of this possible result may be seen in the current Seminar System.

(2) Most seniors are conditioned to working under the pressure of grades and are accustomed to being artificially motivated in this manner therefore, removing this motivation may cause students to regard such a system as undesirable.

(3) Seniors, of all students, least need, and can least take advantage of the academic freedom supposedly provided by a partial pass-fail system. Consequently, many seniors may not be able to make use of the program as intended.

In view of these and other reasons why such a limited pass-fail system may fail, I believe that CEP should not view this as an absolute trial.

Lawrence W. Ludewig '70

Inside Inscomm

Delegate positions still open; pre-election events planned

By Frank March, UAP

A number of people have been interviewed to become delegates to intercollegiate conferences. The names of the delegates to these conferences will be released this weekend. There are still positions for delegates to the conference at Radcliffe February 17-18 entitled The Scholar and Foreign Policy, and to the conference at Regis in April on Southeast Asia. People who are interested in these conferences are urged to leave their names with Miss Hendricks at x2696.

Elections

A number of special events are being planned before the UAP and class elections. I will hold a meeting with all UAP candidates February 10 to discuss election procedures, campaign issues, and the like. One week before the election, February 21, all UAP candidates will be asked to participate in a debate at the Student Center.

All candidates may pick up petitions beginning Registration Day, February 6, in the Inscomm office. A list of election rules and regulations will also be available at that time. The petitions must be returned to the Inscomm office by 5 p.m., Monday, February 20.

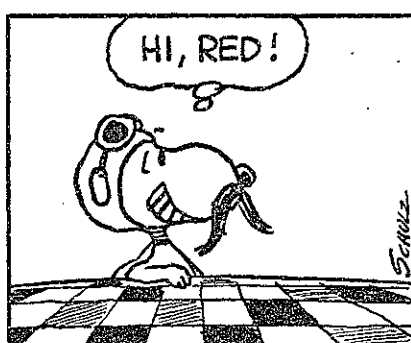
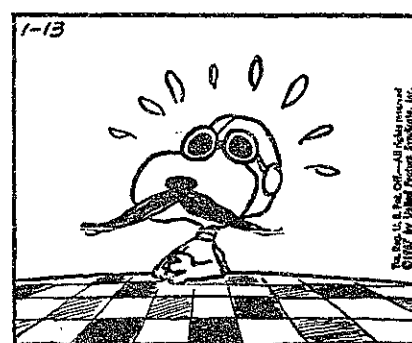
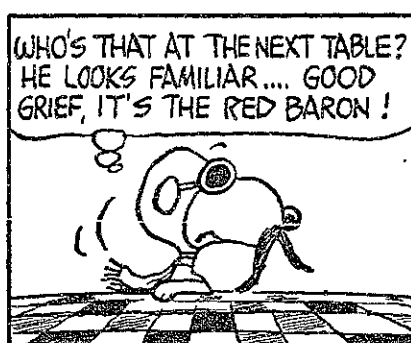
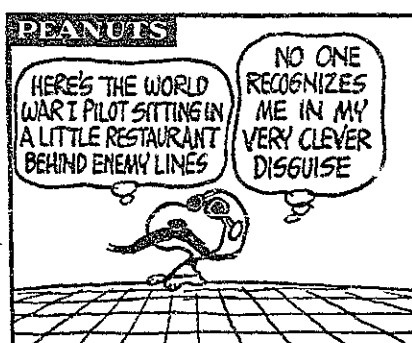
International and foreign students are reminded that officers and executive committee members for the International Students' Council will be also elected February 28.

Planning Committee

The Long Range Space Planning Committee, headed by Paavo Pyykkonen, is scheduled to make its report by February 1. The committee is studying the use of activities space in the Student Center and Kresge, and is working with the Athletic Board to coordinate athletics space planning. The report will include the scope of activities, present space needs as well as plans for the future.

Inscomm Meeting

Topics for discussion at Sundays 2 p.m. Institute Committee meeting include the "procedure" of a Judicial Committee in calling a hearing, the Karl Taylor Compton Lectureship, Inscomm Executive Committee representation, and the future of the Student Committee on Environment.



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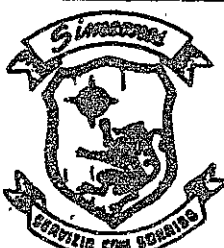
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Talking Rock

By Don Davis

"They're Coming to Take Me Away, Ha-Haaa" initiated what has become the greatest concentration of novelty records in at least six years. Not since 'Alley Oop,' 'Itsy Bitsy Teeny Weeny

Yellow Polka Dot Bikini, and 'Mr. Custer' became number one songs in summer and autumn of 1960 have there been so many humorous songs drawing their main support from catchy funny lyrics rather than any musical value.

In addition to many songs which I would classify as semi-novelty, such as 'Lil Red Riding Hood' and 'Lady Godiva,' there have been four full-fledged novelty songs which have become big hits in the last six months. Napoleon XIV's big hit, which hit 3 nationally, was followed by 'Yellow Submarine' (3), 'Snoopy vs the Red Baron' (2), and Senator Bobby's 'Wild Thing' (52 and rising).

At all his performances Napoleon wore a mask to preserve his identity, which was that of Jerry Samuels an engineer at Associated Records, a New York Studio. Samuels, who both wrote and recorded 'Coming,' has also written songs such as 'In the Shelter of Your Arms,' which Sammy Davis recorded in 1964. 'Coming' was banned by many stations for reasons ranging from complaints by doctors and institutions saying the record hurt their image to the fact that mental illness is no laughing matter.

'Yellow Submarine' was written by John Lennon as a birthday present for the son of a friend of his. There was a brass band in the studio and the chorus was composed of the Beatles along with George's wife, studio staff, engineers, and managers. Marine noises were created by such gimmicks as rags slurping around in buckets of water and Beatles
(Please turn to Page 7)

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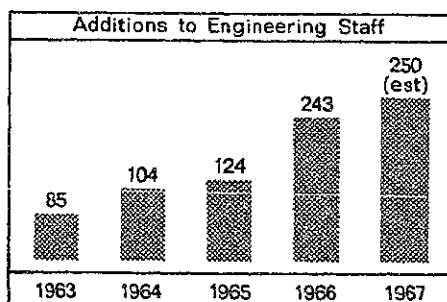
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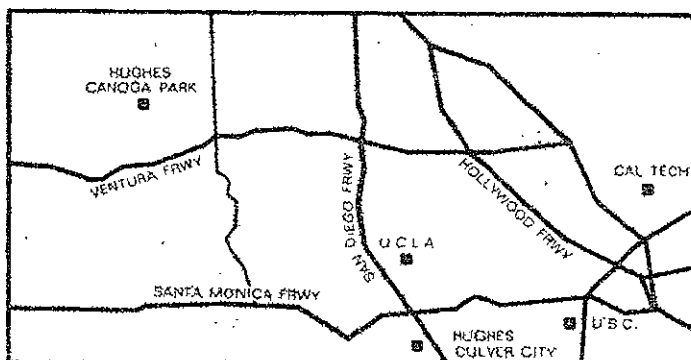


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CAMPUS INTERVIEWS

February 14 & 15

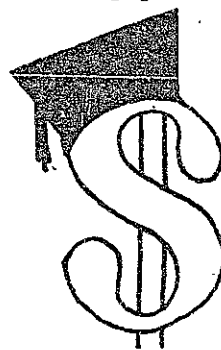
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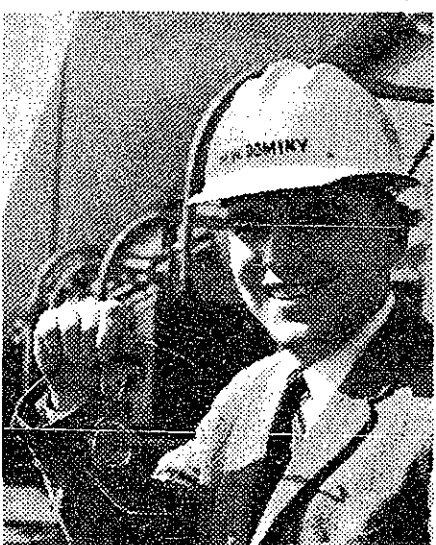
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Community Players

Anouilh play performed

The MIT Community Players will present 'The Rehearsal' by Jean Anouilh tonight and tomorrow night, and January 19, 20 and 21. The performance will take place in the Kresge Little Theatre at 8:30 pm. Tickets, at \$1.50, are available in the lobby of building 10, or at the door. The play, which is a sophisticated and humorous satire of manners and morals, is set in France at the turn of the century.

Music composed by professor featured in Memorial concert

The Lenox Quartet along with members of the Dorian Wind Quartet will perform music by Elliott Carter, Jr., composer and visiting professor at MIT. The concert will take place Sunday at 3 pm in Kresge Auditorium.

The concert is in the William Abramowitz Memorial Lecture Series, established at MIT in 1961 by William Abramowitz, Jr., '35, in memory of his father's lectures in the Department of Humanities.

The program will consist of Mr. Carter's String Quartet No. 2, Eight Etudes and a Fantasy for Woodwinds, and the Sonata for Harpsichord, Flute, Oboe, and Cello.

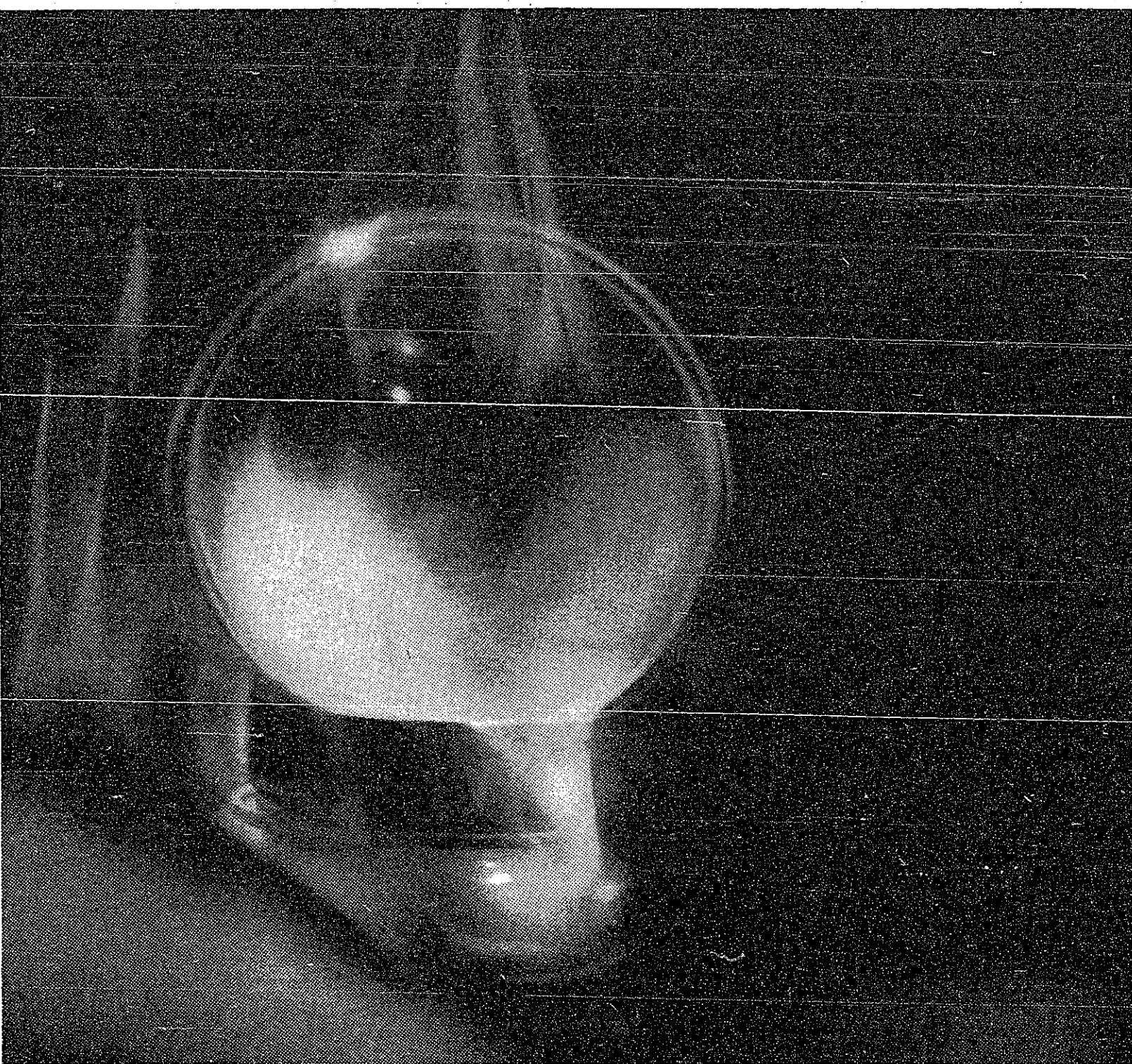
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'Yellow Submarine' uses ingenious sound effects

(Continued from Page 5) blowing bubbles through straws. When John repeats Ringo's words in the third verse, he is not speaking through a bottle but rather through his guitar amplifier by means of an ingenious bit of engineering.

'Snoopy vs the Red Baron,' which with 'I'm a Believer' forms one of the strongest 1-2 punches in a long time (they have been 1-2 on Billboard's charts for three weeks and don't yet seem in danger of being displaced). 'Snoopy' is of course patterned after Charles M. Schulz's 'Peanuts' sequence in which Snoopy sits atop his Sopwith Camel (doghouse) awaiting the Red Baron. Baron Manfred Von Richthofen was a leading German pilot in World War I who did indeed shoot down 80 Allied planes. He commanded a group of fighter pilots, whose

exploits earned them the name of "Richthofen's Circus" and who were known for a chivalrous form of combat unusual in modern warfare. He was shot down in his red (hence Bloody Red Baron) Fokker triplane at the age of 26 by one of three British Royal Guard (hence the Royal Guardsmen, who recorded the song) planes (a Sopwith Camel) sent to get him. He had annihilated the other two.

An answer to the many queries I have had concerning the beginning bars of 'Snoopy' was provided by WTBS's Bruce Leslie. The speaking is in German and says, "Achtung: wir singen zusammen die geschichte um den schwein-kopfen hund und der liebe 'Red Baron'" which translates into "Attention: we sing together the story of the pig-headed dog and the beloved Red Baron."

Making the Scene

MOVIES

Astor—'Funeral in Berlin,' 9:45, 11:45, 1:45, 3:45, 5:45, 7:45, 9:45 (Sun. 1:15, 3:15, 5:15, 7:15, 9:15).
Beacon Hill—'After the Fox,' 10, 12, 2, 4, 6, 8, 10 (Sun. 1:30, 3:30, 5:30, 7:30, 9:30).
Boston Cinerama — 'Grand Prix,' 8:15, Wed., Sat., Sun. mat. 2; Sun. 7:30.
Cherl I—'Georgy Girl,' 10:15, 12:15, 2:15, 4:15, 6:15, 8:15, 10:15 (Sun. 1:45, 3:45, 5:45, 7:45, 9:45).
Cherl II—'A Funny Thing Happened on the Way to the Forum,' 9:45, 11:45, 1:45, 3:45, 5:45, 7:45, 9:45 (Sun. 1:30, 3:30, 5:30, 7:30, 9:30).
Cinema Kenmore Square — 'Shout Loud, Louder,' 1:45, 3:40, 5:35, 7:30, 9:30.
Cleveland Circle—'Is Paris Burning,' 8:30, Wed., Sat., Sun. mat. 2; Sun. 8.
Coolidge Corner—'Fortune Cookie,' 2:45, 9:30, 'A Thousand Clowns,' 12:45, 7:30 (starts Sat., 'Fantastic Voyage' and 'Way, Way Out').
Exeter — 'The Endless Summer,' 2 3:40, 5:25, 7:15, 9:10.
Fine Arts—'Never on Sunday' and 'Elektra' (ends Sat.), Wed., Sat., Sun. mat. 2; Sun. 7:30.
Mayflower—'La Dolce Vita,' 10:20, 1:30, 4:40, 8 (Sun. 1:20, 4:30, 7:50).
Music Hall—'Murderer's Row,' 10, 12, 2, 4, 6, 8, 10 (Sun. 1:30, 3:30, 5:30, 7:30, 9:30).
Orpheum—'Penelope,' 10:15, 12:15, 2:05, 4:55, 7:50, 9:45 (Sun. 1:40, 3:40, 5:45, 7:50, 9:50).
Paramount — 'Follow Me, Boys,' 9:30, 11:50, 2:10, 4:30, 6:50, 9:15 (Sun. 1:20, 3:55, 6:15, 8:35).
Paris—'Sound of Music,' 2, 8 (Sun. 2, 5, 8).
Park Square Cinema—'A Man and a Woman,' 2, 4, 6, 8, 10.

Savoy—'Gambit,' 10, 12, 2, 4, 6, 8, 10 (Sun. 1:30, 3:30, 5:30, 7:30, 9:30).
Saxon—'Dr. Zhivago,' 8:15, Wed., Sat., Sun. mat. 2; Sun. 7:30.
Uptown—'Dead Heat on a Merry-Go-Round,' 11:55, 5:05, 10, 'La Dolce Vita,' 1:45, 6:55.
West End Cinema—'I, a Woman,' 11:45, 1:45, 3:45, 5:45, 7:45, 9:45.

THEATRES

Charles Playhouse — Shakespeare's 'Hamlet,' 8:30; Sat. 5 and 9; Sun. 3 and 7:30; Thru Jan. 22.
Colonial Theatre—'Sherry' by James Lipton; opens Jan. 16.
Shubert Theatre — 'Romeo and Juliet,' Bristol Old Vic; Fri. 8:30; Sat. 2:30, 8:30; \$2.65-5.00.
Theatre Co. of Boston—Edward Albee's 'Tiny Alice,' Fri. 8:30; Sat. 6 and 9:30; Sun. 5 and 8:30; \$2.50-4.50.
Wilbur Theatre—'Black Comedy' by Peter Schaffer; starring Michale Crawford, Geraldine Page, Lynn Redgrave; opens Jan. 16.



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RAYTHEON CAMPUS INTERVIEWS

February 9 & 10

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Ajadi named to NE team; 2nd time for soccer star

By Tony Lima

Earlier this week it was announced that soccer star Bayo Ajadi '68 has been named to honorable mention on the All-New England Soccer team. Ajadi, who was also named to the team last year, started at forward for the engineers this year and was a major factor in their 4-7 season.

Winter Sports 28-27

At the half-way mark of the winter sports season, the MIT varsity teams managed to come up with a winning record. The engineer varsities have won 28 contests while losing 27. Leading the way is the basketball five, with an 8-3 mark, who hope to give Coach Jack Barry the 100th win of his Tech coaching career. Barry's current record as an MIT coach stands at 99-61.

Another basketball mark could topple this weekend. Co-captain Alex Wilson '67 has totalled 1020 points as a varsity player, and is gunning for the engineer scoring mark of 1058 set by Bill Eagleson '65. Wilson set a single-season scoring mark of 559 last year, and is averaging 18.4 points per game so far this year. He was recently named to the Worcester Jaycee All Tournament team.

Swimming 4-1

To go with the hoopsters mark,

the swimming team is in the process of having their best season ever. The team's mark now stands at 4-1, including a win over perennial New England champions Williams. Their one loss came at the hands of Connecticut, the team that took third in the championships last year. The team has also been rewriting the record book, having broken five varsity records this year, one of them three times. Tomorrow, the team takes on New England runner-up Wesleyan at the Alumni Pool.

The wrestlers hold a 3-1 mark so far, with their one loss coming at the hands of Harvard. Led by senior captain Dave Schramm and Keith Davies '69, the engineers have beaten Boston College, Williams and Connecticut.

Frosh sports

By Paul Baker

Tech's freshman teams tarnished their perfect 4-0 won-lost slate for the new year, as they amassed a miserable 0-4 record early this week.

The hoopsters were outpointed 76-61 Tuesday by a taller, sharper

JV hoopsters down Wentworth



Photo by Brad Williamson
Alec Bash '68 hooks a shot in Tuesday's game as Ross Hunter '69 prepares to grab the rebound.

Tech's junior varsity cagers trounced an outclassed Wentworth squad Tuesday, 61-46. The engineers were led by the shooting

of Alec Bash '68. Bash amassed a total of 18 points. He was closely followed by Steve De Rodeff with 16.

Bob Listfield '69 netted 7 for the hoopsters, followed by Bill Stewart '69 and Dan Green '68, who hit for 6 apiece in the rout.

The game was a fairly tight contest until there were ten minutes left. Then, the Beavers began to run, and from then on, Wentworth didn't have a chance. De Rodeff played a key role in this rally, hitting on several key shots. Bash also helped out with some fine shooting.

Tech played a zone offense most of the way to counter Wentworth's defense, but the engineers went to a man-to-man defense, which forced their opponents into several mistakes. At the half, the Tech-

men were leading by a 9-point margin. In the second half, the margin varied from four to eighteen points.

Tech jumped off to an early lead, and was never headed in the contest. They were hampered somewhat by foul trouble, as Bash was playing with four fouls for most of the second half. Green fouled out with five minutes left in the game, which undoubtedly hurt the team's offensive punch.

The JV hoopsters will now be laid off until after term break, when they meet Boston College February 8 in Rockwell Cage.

Coeds edged out by Brandeis, BC in fencing meets

The women's fencing team has participated in two contests in which they gave their opponents stiff competition.

The five-girl team fenced Brandeis December 10 where they lost by a close 13 to 12, having been tied or one point down throughout the whole match.

On Jan. 7, they met a three-girl team from Boston College, to whom they lost by one point (5-4) in the last round.

The five members of the MIT team are Sandy Harris '69 (captain), Carol Scherer '70, and manager Kim Winters '69.

The team will meet Wellesley tomorrow at 10 pm at home.

IM basketball playoffs scheduled; open Wednesday, February 8

Schedules of the 1967 IM basketball tournament will be released early next week according to manager Herb Finger '68. Seedings have been determined except for two disputed positions because of league ties. The playoffs will begin Wednesday, February 8 and should last two weeks.

In the "A" League, Burton "A" and Phi Gamma Delta "A" are the only two teams to boast undefeated records. The Fijis have one game remaining. Lambda Chi Alpha and Sigma Alpha Epsilon suffered only one loss during the season. AEPi, Beta (A II 3 or A II 4) and NRSA have also attained first bracket playoff berths.

Playoff schedule: (1st round):

| | |
|-----------------------|---------------|
| 1st bracket | |
| February 8 | |
| Bur "A"—A II 3rd game | 7:15 Cage |
| LXA—NRSA | 2:30 Cage |
| February 9 | |
| Fiji—AEPi | 3:15 Cage |
| SAE—A II 4th | 4:30 Cage |
| 2nd bracket | |
| February 8 | |
| Sig Ep—DKE | 7:15 court 2 |
| B II 2nd—Sen Hou | 16:30 court 2 |

On Deck

Friday, January 13

Basketball (V)—Colby, away, 7:30 pm
Basketball (F)—Colby, away, 5:30 pm
Indoor Track (V&F)—Colby, here, 6:30 pm
Squash (V)—Princeton, away, 4 pm
Rifle (V)—Northeastern, here, 6:30 pm

Saturday, January 14

Basketball (V)—Bates, away, 8:15 pm
Basketball (F)—Bates, away, 6:15 pm
Wrestling (V)—Wesleyan, here, 3:30 pm
Wrestling (F)—Wesleyan, here, 2 pm
Swimming (V)—Wesleyan, here, 3:30 pm
Swimming (F)—Wesleyan, here, 2 pm
Indoor Track (V&F)—Knights of Columbus meet
Fencing (V)—Stevens, here, 2 pm
Fencing (F)—Lenox School, here, 4 pm
Squash (V)—Navy, away
Squash (F)—Lawrence Academy, away, 2 pm
Hockey (V)—Connecticut, away, 2 pm
Rifle (V)—Boston College, here, 1 pm
Women's Fencing—Wellesley, here, 10 am

Harvard beats cagers, 76-61

Tech's freshman teams tarnished their perfect 4-0 won-lost slate for the new year, as they amassed a miserable 0-4 record early this week.

The hoopsters were outpointed 76-61 Tuesday by a taller, sharper

shooting Crimson five. Harvard stampeded to a 10-1 advantage at the outset and Tech never recovered. In the first half, Harvard connected on over 50% of their shots, but managed only a 38-27 halftime lead. As the second half progressed, Harvard raced ahead by twenty points and coasted to an easy victory.

A closing Tech rally, sparked by the fine outside shooting of Bruce Wheeler and Steve Chamberlain brought the Tech hoopsters to within 11 with 4 minutes to play, but the Crimson popped four quick points to nail down the contest.

High scorer for MIT was Bruce Wheeler with 24. John Vliet and Steve Chamberlain had 18 and 16, respectively. A highlight of the game came with 17 seconds left when George Katsiaticas sank 2 clutch free throws to become the first member of the bornb squad to score.

Mermen drop third

The freshman mermen were

Harvard stops racketmen; Tech wins only 3 games

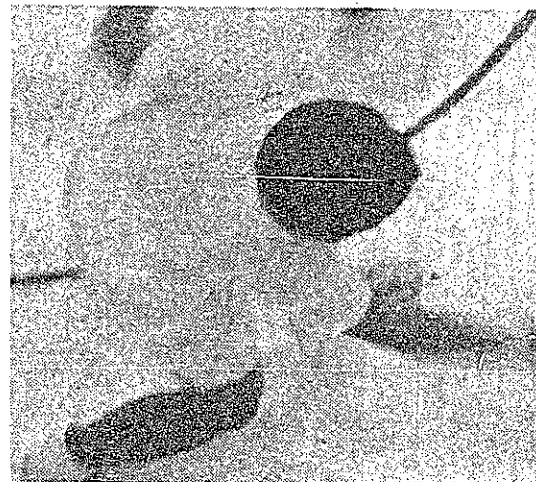


Photo by Jeff Reynolds

Captain Chye Tantavit '67 returns a shot in his match with Harvard Tuesday. Chye put up a stiff fight, but still bowed to Anil Nayar of Harvard. The team lost, 9-0, winning only three games.

By Roger Dear

Harvard's varsity squash team, which is perhaps the best in the nation, travelled to MIT Tuesday night and walked away with an easy 9-0 victory. The match saw the Techmen win a total of only three games.

Although the results were not close, the matches were very exciting and well played. For instance, in the number one contest, captain Chye Tantavit '68 was pitted against Harvard's Anil Nayar. Anil hails from Bombay, India, and is the Indian champion and the British Empire's juniors' champion. Anil beat Chye three straight, 15-5, 15-8, 15-10, in a

match which featured many long volleys and extraordinary shots by both players.

Ken Wong '68, playing in the number two position, met Harvard's Rick Sterne, and was defeated, 15-8, 15-4, 15-7. Rick, who hits left-handed, didn't have too much trouble in disposing of Ken. Harvard's number three man, Craig Stapleton, however, had a hard time conquering Eric Coe '67. Craig won the first game, 15-8. But Eric came back to win the second, 15-13. However, in the next two games, Craig managed to eke out two 15-12 victories. Other members of the MIT squad who won games were Bob Melanson '68, and Pete Hurley '68.

Racketmen lose 2

The squash team plummeted to a 1-2 record as they fell prey to nationally ranked Harvard and Andover. Harvard completely dominated Tuesday's match, winning 8-1. Ken Gilbert spoiled the Crimson's bid for a shutout by topping Harvard's Ball 3-1. Other than this bright spot, the contest was dark and dismal. Four engineers were blanked 3-0, while the remaining four managed to score only one point. Tech's only consolation is the fact that Harvard has one of the best teams in the nation.

Wednesday, the team fared somewhat better, as they lost 5-2. Only seven matches were played instead of the usual 9, because Andover, a prep school, normally only has five men competing. After the loss to Harvard, Coach Taylor shifted the order of his players but this did not significantly affect the outcome. Rod Walker and Manny Weiss were the only engineers to top their opponents, both by 3-1 scores.

Skaters play today

Today, Tech's hockey team skates against Browne & Nichols Prep School. This will be the second game of the season for the inexperienced frosh team, who lost their first game. Face off time is 4:00 pm.

Glynn Wood sets record in YMCA two-mile run

Glynn Wood, an MIT graduate student, set a new meet record in the two mile run at the fifty-first annual YMCA track and field meet held at the Huntington YMCA. Wood's 9:42.2 time earned him the William Hultgren award as the meet's outstanding performer. His time lowered the mark of 9:45.8 set by Leo Carroll last year.

Wood finished 14 yards ahead of Mike Burke and Lou Ruggerio of Boston State, but was awarded third place because of time handicaps. All three finished under the old record time. The winning time was officially 9:37 after the handicaps were figured.

Gymnasts defeat Plymouth College

Tech's Gymnastics Club handily defeated the Plymouth State College team of New Hampshire in Saturday's meet in DuPont Gymnasium. The inexperienced and light Plymouth team of four, lost 30 to 84, taking only three third places. MIT, not in good form after the Christmas vacation lay-off, swept all first and second places.

First places went to Gil Smith, free exercise; Denny King, side horse; David Jackson, horizontal bar; John Shaefer, parallel bars; Frank Eissing, long horse; Tom Hafer, still rings.

The next home meet will be held sometime in February, and will be announced at that time.

How They Did

| | |
|-------------------------------|--|
| Squash | |
| Harvard 9, MIT(V) 0 | |
| Harvard 8, MIT(F) 1 | |
| Andover 5, MIT(F) 2 | |
| Swimming | |
| Phillips Exeter 67, MIT(F) 28 | |
| Basketball | |
| MIT(JV) 61, Wentworth 46 | |
| Harvard 76, MIT(F) 61 | |

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